

Xavier LEVECQ et al.

REMARKS

Claims 4-5, 7 and 10-13 were amended to correct multiple dependency. Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE".

Respectfully submitted,

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"VERSION WITH MARKINGS TO SHOW CHANGES MADE"

Claims 4-5, 7 and 10-13 have been amended as follows:

4. (Amended) A method according to ~~one of the claims 2 or 3~~, claim 2, characterized in that the phase of the wavefront to be analysed being resolvable on a base of known polynomials, the high-pass filtering (361) applied to a file consists of subtracting, from this file, the contributions due to a given number of these polynomials.

5. (Amended) A method according to ~~one of the claims 3 or 4~~, claim 3, characterized in that comparison (363) of the files after filtering is carried out by means of a correlation operation.

7. (Amended) A method according to ~~one of the preceding claims~~, claim 1, characterized in that it comprises in addition a stage (39) of reconstruction of the phase of the wavefront, making it possible in particular to determine the exact value of the deflection of the wavefront.

10. (Amended) A device according to claim 8 ~~or 9~~, characterized in that at least one local variation of the structure of the array is a controlled variation, introduced during manufacture of the array.

11. (Amended) A device according to ~~one of the claims 8 to 10,~~ claim 8, characterized in that the general form of the frequency distribution of the slopes of the wavefront being known, local variations are introduced into the structure of the array in such a way that the frequency distribution of the contribution due to these local variations is adapted to the said general form.

12. (Amended) A device according to ~~one of the claims 8 to 11,~~ claim 8, characterized in that at least one local variation of the structure consists of a difference in the position of one or more adjacent microlenses, the contributions taken from each of the two files to be compared (36) being the contributions due to the local variation in the positions of the spots.

13. (Amended) A device according to ~~one of the claims 8 to 12,~~ claim 8, characterized in that at least one local variation of the structure consists of a variation in transmission of one or more adjacent microlenses, the files (32, 35) in addition associating with each subaperture, the intensity of the spot originating from the said subaperture, the contributions taken from each of the two files to be compared (36) being the contributions due to the local variation in the intensities of the spots.